



## Appendix C: Data Indicator Definitions and Sources Used in Community Risk Ranking

### Outcome #1 – Maternal & Infant Health

#	Indicator Name	Data Source
1	<b>Premature births</b>  -Percent: # live births before 37 weeks/total # live births	Massachusetts Community Health Information Profile (MassCHIP): Massachusetts Department of Public Health (Version 3.0) [Software] (2004-2008). Percentage of premature births (Vital Records – Birth certificates). Retrieved from <a href="http://www.mass.gov/dph/masschip">http://www.mass.gov/dph/masschip</a>
2	<b>Low-birth-weight infants</b>  -Percent: # resident live births less than 2500 grams/# resident live births	Massachusetts Community Health Information Profile (MassCHIP): Massachusetts Department of Public Health (Version 3.0) [Software] (2004-2008). Percentage of low birth weight (Vital Records – Birth certificates). Retrieved from <a href="http://www.mass.gov/dph/masschip">http://www.mass.gov/dph/masschip</a>
3	<b>Infant mortality (includes death due to neglect)</b>  - Rate: # infant deaths 0-1 year per 1,000 live births	Massachusetts Community Health Information Profile (MassCHIP): Massachusetts Department of Public Health (Version 3.0) [Software] (2004-2008). Infant mortality rates: Linked births/deaths (Vital Records – Linked birth-death file). Retrieved from <a href="http://www.mass.gov/dph/masschip">http://www.mass.gov/dph/masschip</a>
4	<b>Adequacy of prenatal care</b>  - Percent: # of mothers receiving less than adequate prenatal care by the Adequacy of Prenatal Care Utilization (APNCU) Index/# resident live births	Massachusetts Community Health Information Profile (MassCHIP): Massachusetts Department of Public Health (Version 3.0) [Software] (2004-2008). Adequacy of Prenatal Care Utilization (APNCU) Index (Vital Records – Birth certificates). Retrieved from <a href="http://www.mass.gov/dph/masschip">http://www.mass.gov/dph/masschip</a>
5	<b>Breastfeeding intention</b>  - Percent: # of women NOT intending to breastfeed at hospital discharge/# resident live births	Massachusetts Community Health Information Profile (MassCHIP): Massachusetts Department of Public Health (Version 3.0) [Software]. Births (Vital Records) (2004-2008). Mother Breastfeeding at Discharge. Retrieved from <a href="http://www.mass.gov/dph/masschip">http://www.mass.gov/dph/masschip</a>
6	<b>Smoking during pregnancy</b>  -Percent: # of women who reported smoking during pregnancy/# resident live births	Massachusetts Community Health Information Profile (MassCHIP): Massachusetts Department of Public Health (Version 3.0) [Software]. Birth (Vital Records): Total Births, Maternal cigarette smoking during pregnancy. (2004-2008). Retrieved from <a href="http://www.mass.gov/dph/masschip">http://www.mass.gov/dph/masschip</a>

## **Outcome #2 - Child Health & Development**

#	Indicator Name	Data Source
7	<b>Asthma hospitalizations</b>  - Rate: # asthma hospitalizations and asthma-related hospitalizations/100,000 population (all ages)	Massachusetts Community Health Information Profile (MassCHIP): Massachusetts Department of Public Health (Version 3.0) [Software]. Asthma Hospitalizations (2008). Hospital Discharge Data Retrieved from <a href="http://www.mass.gov/dph/masschip">http://www.mass.gov/dph/masschip</a>  Massachusetts Community Health Information Profile (MassCHIP): Massachusetts Department of Public Health (Version 3.0) [Software]. Asthma-related Hospitalizations. Hospital Discharge Data (2008). Retrieved from <a href="http://www.mass.gov/dph/masschip">http://www.mass.gov/dph/masschip</a>
8	<b>Lead Poisoning</b>  - Adjusted Rate = (Lead poisoning rate by town) * (% low income by town / % low income MA) * (% pre-1950 by town / % pre-1950 MA)	Childhood Lead Poisoning Prevention Program. <i>Lead poisoning July 1, 2004 - June 30, 2009 for children 6 to 72 months based on an adjusted rate</i> (custom report). Boston, MA: MA Department of Public Health.

## **Outcome #3 - Child school readiness**

#	Indicator Name	Data Source
9	<b>High school drop-outs</b>  -Percent: # of students in grades 9-12 who dropped out of school between July 1 and June 30 prior to the listed year and who did not return to school by the following October 1/total enrollment	Division of Information Services. (2010). <i>Dropout Rates in Massachusetts Public Schools: 2008-2009</i> . Boston MA: MA Department of Elementary and Secondary Education.  Note: the value for a school district was applied to all cities and towns within that district
10	<b>Early Intervention enrollment</b>  - Percent: # children enrolled in Early Intervention/total children aged 0-<3 years	Division of Early Intervention Information System (2009). Percentage of Enrolled IFSP children served by city/town of residence during fiscal year 2009 (custom report). Boston, MA: MA Department of Public Health.
11	<b>Poor performing schools</b>  Designation as level 1-4 based on mathematics and English language arts MCAS results: composite performance index and percentage students earning failing/warning scores	Planning, Research, Evaluation & Accountability Reporting Group. (2010). Poor performing schools, 2008 <i>Level 4 Schools: Information for Parents and the Public</i> . Boston, MA: MA Department of Elementary and Secondary Education.  Planning, Research, Evaluation & Accountability Reporting Group. (2010). Poor performing schools, 2008. <i>Framework for District Accountability and Assistance 2010-2011</i> . Boston, MA: MA Department

#	Indicator Name	Data Source
	over four years; annual student growth percentile for the years available; and improvement as measured by the change in composite performance index over four years.	of Elementary and Secondary Education.
12	<b>Children waitlisted for an EEC subsidized childcare slot</b>  - Percent :# of children aged 0- <12 years waitlisted for an EEC subsidized childcare slot during April 2010/total # of children aged 0- <11 years	<i>Percentage of children (0-11) waitlisted for an EEC subsidized childcare slot (custom report).</i> Boston, MA: MA Department of Early Education and Care. (2010)  Massachusetts Community Health Information Profile (MassCHIP): Massachusetts Department of Public Health (Version 3.0) [Software]. Census 2000 data for children aged 0-<12 years.

#### **Outcome #4 - Prevention of Child Injuries and Maltreatment**

#	Indicator Name	Data Source
13	<b>Child maltreatment</b>  - Rate: # of substantiated child maltreatment reported (ages 0- <9 years) per 1,000 children	Division of Early Intervention and Special Projects. (2010). <i>Rate of children &lt;9 years with supported allegations and unduplicated counts of child maltreatment 2009-2010</i> (custom report). Boston, MA. MA Department of Children and Families.
14	<b>Unintentional injury hospitalizations</b>  - Rate: # inpatient hospitalizations, observation stays and emergency room department discharges associated with unintentional injury (summed) per 100,000 population MA residents ages 0-9 years	MA Division of Health Care Finance & Policy. (2008). <i>Inpatient Hospital, Outpatient Observation Stay, and Emergency Department Discharge Databases, Inpatient Hospitalizations, Observation Stays and Emergency Department Discharges Associated with Unintentional Injury (Summed), MA Residents 0-9 Year for FY2008s</i> . Boston, MA: MA Department of Public Health.

#### **Outcome #5 - Parenting Stressors**

#	Indicator Name	Data Source
15	<b>Substance Use Disorder Hospital Admissions</b>  -Rate: # of substance use disorder admissions to DPH-funded programs per 100,000 population	Massachusetts Community Health Information Profile (MassCHIP): Massachusetts Department of Public Health (Version 3.0) [Software]. Substance Abuse (BSAS) DPH Funded Program Utilization: Substance abuse admissions (2008). Retrieved from <a href="http://www.mass.gov/dph/masschip">http://www.mass.gov/dph/masschip</a>

#	Indicator Name	Data Source
16	<b>Children aged 0-18 years living in single parent households</b>  -Percent: # children <11: Own Child of Single Male Householder and Own Child of Single Female Householder / Children <18 in households. Census 2000	Massachusetts Community Health Information Profile (MassCHIP): Massachusetts Department of Public Health (Version 3.0) [Software]. ]. US Census 2000: Living Arrangements, Children <18: Own Child of Single Male Householder and Own Child of Single Female Householder. (2000). Retrieved from <a href="http://www.mass.gov/dph/masschip">http://www.mass.gov/dph/masschip</a>  Massachusetts Community Health Information Profile (MassCHIP): Massachusetts Department of Public Health (Version 3.0) [Software]. US Census 2000: Living Arrangements, Children<18 Living in Households (2000). Retrieved from <a href="http://www.mass.gov/dph/masschip">http://www.mass.gov/dph/masschip</a>
17	<b>Infants born to mothers with less than high school education</b>  -Percent: # births to mothers with < high school education / Total resident live births	Massachusetts Community Health Information Profile (MassCHIP): Massachusetts Department of Public Health (Version 3.0) [Software]. Natality (Vital Records): Total Births, Total Births Residence, Less than High School (<12) (2004-2008). Retrieved from <a href="http://www.mass.gov/dph/masschip">http://www.mass.gov/dph/masschip</a>
18	<b>Teen births</b>  - Rate: # births to females ages 15-19 years / total female population ages 15-19 years old in the population) * 1,000	Massachusetts Community Health Information Profile (MassCHIP): Massachusetts Department of Public Health (Version 3.0) [Software]. (2008). Teen Birth Rate. (Vital Records). Retrieved from <a href="http://www.mass.gov/dph/masschip">http://www.mass.gov/dph/masschip</a>  Massachusetts Community Health Information Profile (MassCHIP): Massachusetts Department of Public Health (Version 3.0) [Software]. Intercensal and Postcensal Estimates (2005). Retrieved from <a href="http://www.mass.gov/dph/masschip">http://www.mass.gov/dph/masschip</a>
19	<b>Incarcerated parents</b>  - Percent: # criminally incarcerated persons reporting having children/ total # incarcerated individuals by last known town or city of residence	<i>Male and Female Criminally Sentenced Inmates Self-Reporting Children and a Last Known Address in Massachusetts.</i> Boston, MA: MA Department of Corrections Inmate Management System. (2010)

#### **Outcome #6 - Reductions in Crime or Domestic Violence**

#	Indicator Name	Data Source
20	<b>Violent crimes</b>  - Rate: (# of violent crimes / 2008 estimated population) * 100,000	Criminal Justice Information Services Division. (2008). <i>Violent crime crude rate</i> (custom report): U.S. Department of Justice.  Commonwealth Fusion Center. (2008). <i>Uniform Crime</i> (custom report): MA Crime Reporting Unit of the MA State Police.

### **Outcome #7 - Family Economic Self-Sufficiency**

#	Indicator Name	Data Source
21	<b>Poverty</b>  - Percent: # residents living at or below 100% FPL/total # residents	Massachusetts Community Health Information Profile (MassCHIP): Massachusetts Department of Public Health (Version 3.0) [Software] US Census 2000 (SF3): Income and Poverty Status of residents living below 100% FPL. (2000). Retrieved from <a href="http://www.mass.gov/dph/masschip">http://www.mass.gov/dph/masschip</a>
22	<b>Unemployment</b>  -Percent: # unemployed individuals in labor force/total population	Division of Unemployment Assistance. (2010). <i>Labor force, employment and unemployment in Massachusetts</i> (custom report). Boston, MA: MA Executive Office of Labor and Workforce Development
23	<b>Mothers giving birth receiving publicly-financed health care</b>  - Percent: # women giving birth receiving publicly financed health care (Medicaid, Healthy Start, Other Government, Free Care)/total resident live births	Massachusetts Community Health Information Profile (MassCHIP): Massachusetts Department of Public Health (Version 3.0) [Software]. Natality (Vital Records): Total Births Residence. (2004-2008). Retrieved from <a href="http://www.mass.gov/dph/masschip">http://www.mass.gov/dph/masschip</a>

### **Outcome #8 - Coordination of referrals for other community resources and supports**

No data indicators used in community risk rankings.

### **Outcome #9 – Vulnerable Populations**

#	Indicator Name	Data Source
24	<b>Non-white population</b>  - Percent: # residents who were Not white, non-Hispanic/Total resident population	Massachusetts Community Health Information Profile (MassCHIP): Massachusetts Department of Public Health (Version 3.0) [Software]. Intercensal and Postcensal Estimates (sorted by race & percent) (2005). Retrieved from <a href="http://www.mass.gov/dph/masschip">http://www.mass.gov/dph/masschip</a>
25	<b>Students whose 1<sup>st</sup> language is not English</b>  - Percent: student enrollees whose first language is a language other than English/total # enrolled students	2009-2010 <i>School and District Profiles</i> . Boston, MA: MA Department of Elementary and Secondary Education.
26	<b>Limited English proficiency</b>  - Percent: # student enrollees who have limited English	2009-2010 <i>School and District Profiles</i> . Boston, MA: MA Department of Elementary and Secondary Education.

#	Indicator Name	Data Source
	proficiency, defined as "a student whose first language is a language other than English who is unable to perform ordinary classroom work in English"/ total # enrolled students	
27	<b>Foreign born mothers</b>  -Percent: # total births by birthplace mother/ total births	Massachusetts Community Health Information Profile (MassCHIP): Massachusetts Department of Public Health (Version 3.0) [Software]. Natality (Vital Records) (2008). Total Birth Residence of mothers in Massachusetts (Birthplace of mother). Retrieved from <a href="http://www.mass.gov/dph/masschip">http://www.mass.gov/dph/masschip</a>
28	<b>Armed Forces</b>  - Percent: # persons aged 18 plus who are <i>currently active</i> in the Armed Forces/total resident population	Massachusetts Community Health Information Profile (MassCHIP): Massachusetts Department of Public Health (Version 3.0) [Software]. Natality (Vital Records) (2000). Percentage of Armed Forces. Retrieved from <a href="http://www.mass.gov/dph/masschip">http://www.mass.gov/dph/masschip</a>
29	<b>Civilian Veterans</b>  -Percent: # civilians aged 18 plus who are <i>veterans</i> of the Armed Forces/total resident population	Massachusetts Community Health Information Profile (MassCHIP): Massachusetts Department of Public Health (Version 3.0) [Software]. Population File: Percentage of civilian Veterans. (2000). Retrieved from <a href="http://www.mass.gov/dph/masschip">http://www.mass.gov/dph/masschip</a>
30	<b>Refugees and Immigrants</b>  -Count: # of refugees and immigrants/ community	Refugee and Immigrant Health Program. (2005-2009). <i>Refugee arrivals in MA by country of origin</i> . Boston, MA: MA Department of Public Health